

Mangalayatan University

Regulations for Research Programme Leading to Award of Ph.D. Degree

1. General

The MU Ph.D. program is modeled on the pattern of Ph.D. programs followed in IITs. Detailed instructions exist in the University for its Ph.D. Program. The Ph.D. awarded by the University will be of a standard comparable to that of IITs and held in high esteem by academic community.

These instructions comply with UGC Guidelines for Ph.D.-2009. A Ph.D. Entrance Exam has been made mandatory for registration for Ph.D. in the University. These Regulations also stipulate evaluation of the Ph.D. Protocol and the candidate by two committees to ensure that only those candidates who are competent to carry out high quality research and to make positive contribution to knowledge in their chosen field, are allowed to register for Ph.D. This document shall be called "**MU Regulations for Research Program Leading to Award of Ph.D. Degree – 2014**".

Research Programme at the University will be controlled by the Vice Chancellor through the following committees:

- (a) University Research Committee.
- (b) Research Protocol Evaluation Committee (RPEC) at each Department/Institute.
- (c) A Research Progress Committee (RPC) for each research candidate.
- (d) A Board for Examination for Ph.D. (Defense Committee) for each candidate.

Admission to Ph.D. Programme will be confirmed after the candidate passing the University Ph.D. Entrance Examination or on submitting a valid UGC/CSIR/GATE Examination score card. The University will conduct Ph.D. Entrance Examination twice a year.

Designation of the Degree

The Ph.D. degree shall be designated as Doctor of Philosophy of Mangalayatan University.

2. A Summary of the registration process, research work and award of Ph.D. degree is presented in the table below and the details follow after the table.

**Summary of the Process of Registration, Research Work
and Submission & Approval of Thesis for
Award of Doctor of Philosophy**

Before Registration

- Appear for Ph. D Entrance Exam, unless exempted (Preparation and presentation of Protocol may be started before appearing for the Entrance Exam with special permission of Vice Chancellor).
- Contact Head of Dept/Head of Institute where Ph.D. work is planned.
- Selection/allocation of the Guide
- Presentation of Protocol to RPEC at Dept/Institute.
- Modification of Protocol as per RPEC recommendations.
- Submissions of Approved Protocol to Registrar MU.
- Presentation of Protocol to University Research Committee.
- Modifications to Protocol as per University Research Committee Recommendations.
- Resubmission of Protocol to Registrar MU.
- Provisional Registration.
- Confirmation of Registration on passing Ph.D. Entrance Exam or UGC/CSIR/GATE Exam.

After Confirmation of Registration

- Completion of Course Work.
- Ph.D. Research Work at designated Dept/Institute/Approved Research Centre.
- Present Progress Seminar to RPC once every Semester (every six months).
- Recommendation by RPC regarding continuation, mid-course correction or discontinuation depending on progress and quality of work after every six monthly progress presentation.
- In case the RPC at any stage during the research work feels that the candidate is not making sufficient progress or is not likely to complete his Ph.D. for any reason, the RPC, in consultation with the Guide, may recommend discontinuation of research work and cancellation of registration of the candidate.
- RPC will encourage the candidate to write research papers and to communicate these to indexed/peer reviewed journals for publication.

After Completion of Research Work

- After completion of sufficient research work and specified minimum period after registration, if satisfied, RPC recommends writing of Pre Synopsis Report by the candidate.
- Presentation of Pre-synopsis Report to RPC.
- RPC may recommend further work if not satisfied or may recommend writing of Synopsis if satisfied. Recommendation of RPC will also be sent to Registrar.
- On approval by RPC, the candidate will write the Synopsis and submit ten copies duly signed by the Guide, to Registrar MU within one month.
- The candidate will write and submit six copies of Thesis to Registrar MU within three months of submission of Synopsis.

After Submission of Synopsis and Thesis at MU

- Registrar sends the synopsis to three reviewers selected by Vice Chancellor, for their consent to review the thesis of the candidate. One of the reviewers will be from outside the State (preferably from a foreign university where possible).
- On receiving consent of the reviewers, Registrar sends the thesis to the reviewers for review, asking them to review the thesis and send their comments, in the prescribed format, within 45 days. Polite reminders will be sent to the reviewers every 15 days after expiry of 45 days till they send the reviews. In case a reviewer fails to send the review within six months, Vice Chancellor may identify another reviewer and ask the Registrar to send the thesis for review.
- On receipt of reviews from two reviewers, if both the reviewers have recommended the thesis for award of Ph.D., the Vice Chancellor will ask the Controller of Examinations to organize Defense of the thesis. The Committee for Defense will comprise members of RPC, University Research Committee and minimum one external examiner who will normally be one of the reviewers.
- In case of non-recommendation or recommendation for additional work/major modifications to the thesis, Vice Chancellor will advise the candidate and the Guide to do further work/modifications as the case may be, in consultation with the Research Committee, and ask him to resubmit the thesis

after complying with the instructions.

- In case the reviews suggest cancellation of registration of the candidate for poor quality research work or unacceptable practices such as plagiarism, Vice Chancellor may, in consultation with Research Committee and after giving due chance to the candidate to present his/her case, order cancellation of registration of the candidate.

On successful Defense of Thesis

- On successfully defending the thesis and recommendation of the Defense Committee, the candidate will be eligible for award of Degree of Doctor of Philosophy (Ph.D.) on the day of Defense. On receiving the recommendation of the Defense Committee, and a No Dues Certificate regarding clearance of all dues to the University, Controller of Examinations will issue a provisional certificate to the effect that the candidate has successfully defended his thesis and has been declared eligible for the award of Ph.D. Degree. The provisional certificate will also state that the certificate has been issued in accordance with the provisions of UGC Regulations for Award of M.Phil./Ph.D. – 2009.
- The candidate will be awarded the Ph.D. Degree during the next convocation.

3. Eligibility for Registration for Ph.D.

A candidate seeking admission to the Ph.D. Programme of MU should:

- (a) Have a Master's degree of this University or its equivalent of another recognized university or Institute with a minimum of 55% marks. In case of candidates holding a qualifying degree from foreign universities, registration for the Ph.D. will be confirmed after determination of equivalence by the relevant University body.
- (b) A scholar who is already registered as a Ph. D scholar in some other university and whose supervisor joins Mangalayatan University may be transferred to Mangalayatan University. The scholar will obtain a 'No Objection Certificate' from his/her earlier university and after being registered in this university will get his/her registration, in the earlier university, cancelled. The transfer of course work credits completed and time spent in earlier university by the candidate and progress of work achieved will be considered by the University Research Committee for deciding the starting point for research work at Mangalayatan University.
- (c) The university will also admit to its PhD programme, recipients of the National Doctoral Fellowship or any other fellowship from a government/semi-government organization (through All-India selection procedure conducted by the agency/organization for award of research fellowships), such as Council of Scientific and Industrial Research (CSIR), University Grants Commission (UGC), All India Council for Technical Education (AICTE), Department of Science and Technology (DST), Defense Research and Development Organization (DRDO), Department of Atomic Energy (DAE), Department of Biotechnology (DBT), Indian Council of Agricultural Research (ICAR), Indian Council of Medical Research (ICMR), and similar other National Level Organizations and those selected for Quality Improvement program (QIP) of AICTE, Faculty Improvement Programme of a State or Central Government or Teacher Fellowship sanctioned by the UGC.
- (d) Foreign students [Who have obtained and are holding research visa] will be required to produce clearance from the Government of India/relevant authorities, for being considered eligible.
- (e) All candidates except those who have passed UGC/CSIR/GATE or equivalent examination will appear for the Ph.D Entrance Examination conducted by the University. Registration will be confirmed only for those candidates who pass the

exam and those who have either done M.Phil or have passed UGC/CSIR/GATE Examination.

- (f) Number of Ph.D. registrations in the University at any given time will not be more than eight times the number of registered guides in the University. The maximum number of Ph.D. candidates to be registered every year will be worked out and notified by the University in Feb/Mar every year. In case of vacancies being less than the number of eligible candidates, selection will be made based on merit at the entrance test and recommendations of URC.

4. Types of Candidates for Research

(a) **Full Time Research Scholars** who will carry out their research full time on the campus. Normally each of the full time research scholars will receive a scholarship from the University Research Grant/UGC/ AICTE/A sponsoring Institute/Agency or a Teaching Assistantship from the Institute/department to cover his living expenses and expenditure on his research work.

(b) **Part Time Internal Candidates** (applicable to working faculty members in any of the departments/Institutes of Mangalayatan University).

(c) **External Candidates**, who will register with the University, complete the mandatory residential and credit requirements as laid down and will be then permitted to continue their research work at their place of work if approved as a research Institute by the University. They will make a presentation to the concerned RPC at Mangalayatan University on the progress of their research work once every six months (At the end of each semester).

Following requirements will be met by the external scholars-

- There shall be an internal guide (from Mangalayatan University) for each external scholar.
- There shall be an external supervisor (at the place where the scholar is working). The scholar will submit a certificate from the external supervisor that he/she is willing to supervise the research work being undertaken by the scholar in that organization.
- NOC from the employing organization regarding the candidate's registration for PhD at MU.
- Certificate from the employing organization to the effect that the organization has adequate facilities for research on the topic selected by the scholar and that he/she will be permitted to use these facilities.
- Certificate that the candidate will be granted leave to do the compulsory residential requirement at MU.

5. Course work

- On registration for Ph.D., all candidates will be required to undertake Course Work as part of the Programme. The credits requirement of Course Work will be 8 to 12 credits as specified by the RPEC, within six months of registration.

- The subjects to be undertaken by the candidate to satisfy the course work requirement will be decided by the RPEC in consultation with the Research Guide. The course work may include courses and seminars. Research Methodology will generally be one of the courses specified.
- All candidates registered as External Candidates will spend one semester (at least 16 weeks) in the University during the first one year, as a compulsory residential requirement.

6. Registration for the Ph.D. Programme

- 6.1 Applications from candidates for registration for Ph.D. will be received throughout the year.
- 6.2 Applications will be submitted in prescribed format and shall state the subject or inter-disciplinary field in which the candidate desires to pursue his research work and the University department/Institute where the research work will be carried out.
- 6.3 Candidates can submit their applications either to the concerned Institute or to Registrar MU.
- 6.4 The Research Protocol Evaluation Committee (RPEC) at each department/Institute shall be headed by the Head of Dept/Head of the Institute and have minimum five other senior faculty and external members. The RPEC will meet once in three months and will evaluate all the proposals received during the three month period. Proposals approved by the RPEC will be submitted to the Registrar MU for processing with the University Research Committee.
- 6.5 Before applying for registration for Ph.D., the candidates are expected to have selected a research area and done some literature survey. Candidates are also expected to have discussed the proposal with proposed Guide/Head of the Department through which the research work is intended to be carried out.
- 6.6 Each candidate will have a research guide and may have one or more co-guides, especially for research problems of inter-disciplinary nature. Only those candidates who meet the laid down criteria for Ph.D. guides and are registered with the University as Ph.D. guides will be allowed to guide Ph.D. work. Normally, those with Ph.D. and working in the University departments/Institutes will be guides/co-guides for candidates registered with the University. In special cases, on recommendation of RPEC, those working in other universities/research organizations may be permitted as guides or co-guides if they have a PhD degree and have minimum two years post PhD experience and at least two papers published in peer reviewed/indexed journals. In case a candidate has an external guide, he/she will be required to have an internal co-guide.
- 6.7 Candidates will apply for admission to the Programme of this University in the prescribed format and submit six copies of the Ph.D. Protocol (Approach Paper) covering the broad area of interest, motivation for research in the selected area, brief display of knowledge gained and work done in that area, statement of research problem, objectives and methodology of the proposed research. The Protocol shall ordinarily not exceed 5000 words.

- 6.8 Candidate will present the Protocol to Research Protocol Evaluation Committee (RPEC) at the Department/Institute through which he/she has planned to register.
- 6.9 The RPEC may approve/reject the proposal or suggest some modifications to the proposal. The proposal duly modified/corrected as suggested by RPEC will be submitted to the Registrar MU, along with the recommendations of RPEC. Name of Guide/Co-guide(s) will be included in the proposal.
- 6.10 Registrar will communicate to the candidate the date and time of presentation of Ph.D. Protocol to the University Research Committee.
- 6.11 If University Research Committee is satisfied with the proposal and presentation by the candidate, it will approve the candidate for registration for Ph.D. programme subject to his clearing the entrance examination and ratification by the Academic Council. The Committee shall also approve the proposed Title of Research Work and the appointment of Guide & Co-guide(s) for the candidate.
- 6.12 University Research Committee may suggest modifications to the protocol. In such cases candidates will incorporate all the suggestions made by the committee and resubmit the modified proposal duly signed by the Guide to the Registrar. In case there are major changes suggested, the committee may ask the candidate to present the protocol again after 30 days.
- 6.13 After the approval from the University Research Committee, provisional Registration Number will be allotted to the candidate. After the allotment of provisional registration number, the candidate will submit the fees as prescribed by the University.
- 6.14 Registration will be confirmed on submission of MPhil/UGC/CSIR/GATE/MU Entrance Exam passing certificate.
- 6.15 **The date of approval by the University Research Committee shall be the date of registration of the candidate.**
- 6.16 **For foreign candidates:**
Before Registration
- Submission of Application Form Through E-mail to phd.coord@mangalayatan.edu.in
 - Selection/allocation of the Guide in consultation with concerned HOD/HOI
 - Student will prepare Protocol Presentation with help of allotted Guide and send it to the Guide for processing.
 - Processing of Protocol to University Research Committee (URC), headed by Vice-Chancellor.
 - Modification of Protocol as per URC recommendations.
 - Re-Submissions and Re-processing of Protocol.
 - Provisional Registration.

After Provisional Registration:

- University will release an Approval letter to the student
- Candidate will contact the concerned Indian Embassy
- Apply for and receive VISA
- Arrival at Mangalayatan University to Join the Course
- Confirmation of Registration.

After confirmation of registration, the process will be same as that for Indian students.

- 6.17 All candidates will be required to complete the specified number of credits for Ph.D. Course Work within six months (may be extended upto one year on recommendation of RPC) of provisional registration.
- 6.18 The Programme shall be carried out in the University Department or in a constituent college or in a Research Institutes recognized by the university for the purpose. If the research programme requires utilization of facilities outside the University, the candidate may avail of such facilities on recommendation of the guide and approval of the University. The Depts./Institutes through which the candidates register, will constitute a separate Research Progress Committee (RPC) for each candidate. The research work of the candidate will be monitored by this committee till the candidate completes his Ph.D.
- 6.19 A candidate may pursue part of his work in another University/Institution where suitable research facilities are available in the candidate's area of research, with the recommendation of the Guide and RPC. However, every candidate shall work under the direct supervision of the guide for a minimum period of 180 working days during the period of his research work. For candidates carrying out research work in other universities/research organizations, in addition to Internal guide(s), there will be external supervisor(s), approved by the University, who will supervise the candidate's research work in that organization.
- 6.20 Whenever University faculty members have research grants, with provision for selecting the research students, the faculty members holding that grant will select the candidates who have passed UGC/CSIR or GATE examination after evaluating the suitability of the candidates. In case such candidates are not available then test and evaluation will be held under the arrangements of the University as in the normal cases. Rest of the procedure will be as outlined in these Regulations.
- 6.21 Change of title of research project may be permitted, provided the RPC and the Guide of the candidate concerned recommend it. Such changes shall be generally allowed within one year of the registration; but under no circumstances it will be allowed after approval of Pre-synopsis presentation by the RPC. However, a minor change of title may be permitted any time during the tenure of research.

7. Fees

7.1 The candidates will pay the following fees:

- (a) Non-refundable Registration fee along with the application.

- (b) Annual fees as prescribed by the University.
- (c) Examination fee shall be paid at the time of submission of thesis. The student will obtain no dues certificate and clearances before payment of examination fee.

The quantum of fees will be decided by the University from time to time.

8. Cancellation of Registration

8.1 Registration may be cancelled on the recommendation of the RPC, based on lack of progress, or if requested by the Guide and after giving due opportunity to the candidate for defending his/her case. The candidate on his part will be allowed to withdraw if he/she so desires. Such a candidate will not get any benefit of earlier registration if he/she joins for Ph.D. Programme again.

8.2 Registration may be cancelled if the candidate fails to submit the thesis within the maximum stipulated period.

9. Eligibility Criteria for Guides and Co-guides

9.1 Following categories of MU faculty will be permitted to be PhD Guide-

- a. Professors
- b. Associate Professors
- c. Assistant Professors

9.2. The Academic Council will also approve the appointment of Guides/Co-guides while approving the research proposals.

9.3 Updated lists of Guides and Co-guides will be approved by the Academic Council once every year.

9.4. Approved guides shall normally not register more than two candidates in one academic year. Also the total number of Ph.D. candidates registered with a guide at any given time will not be more than eight. In case a Co-guide is also appointed, the research scholar will be counted in the quota of the main Guide and not in the quota of the Co-guide.

9.5 The guide and co-guide(s) shall not be closely related to the candidate.

9.6. In the absence of the guide for a prolonged period of time (more than one year), the Vice Chancellor may appoint another person as guide with the recommendation of the RPC/University Research Committee.

10. Research Committees

10.1 The Programme shall be monitored by the Academic Council with the help of the **University Research Committee** headed by the Vice Chancellor.

10.2 In addition to the University Research Committee, there shall be a **Research Protocol Evaluation Committee (RPEC)** in each university department/Institute. University departments/Institutes may also constitute RPECs in various subjects or distinct specializations within subjects and interdisciplinary fields in consultation with the relevant Departmental RPEC.

10.3 Department/Institute where the candidate is pursuing his/her research shall constitute a **Research Progress Committee (RPC)** for each candidate registered for Ph.D. through the department/Institute. Department/Institute shall communicate the names of committee members to the Vice Chancellor.

10.4 After submission of thesis and completion of review process by reviewers appointed by the Vice Chancellor, the candidate will be required to defend his thesis before a **Ph.D. Examination Committee (Defense Committee)**. The Defense Committee will be constituted by the Controller of Examinations for each candidate and will comprise of members of RPC, RPEC, University Research Committee and subject experts generally including one of the reviewers of the thesis in question.

10.5. Research Progress Committee (RPC) shall consist of the Guide/Co-guide and a minimum of three other senior faculty members with requisite expertise in the area of research. Two members will be from within the department and one shall be either an external expert in the subject or from another department. Head of Dept/Institute and Dean of concerned faculty if not members of the RPC shall be permanent invitees to all meetings of the committee. The RPC will be constituted for each research scholar to monitor the progress of his research work at the end of each semester and recommend the continuation or otherwise of the registration in respect of that research scholar. At the end of each semester the research scholar will submit a progress report in the specified format for evaluation by the RPC. The candidate will also make a presentation to the RPC after submitting the progress report.

10.6. The RPC shall evaluate the research work based on the six monthly report and advice the candidate on suitable modifications, if necessary.

11. **Progress of Research Work.**

11.1 The candidates should complete their course work of 8 to 12 credits within six months of registration. They should score a min GPA of 6.75 (or 60% marks in aggregate where percentage system is used) to make them eligible to continue their research work.

11.2 Each candidate should submit and present a progress reports every six months i.e., at the end of each semester in the specified format. The RPC will assess this progress report and recommend continuation or otherwise of research work.

11.3 The RPC will write a progress report after presentation of the Progress Seminar by the candidate and submit it to Registrar, MU.

11.4 The candidate will communicate adequate number of research publications to indexed international/national journals and international/national conferences. The RPC will decide the minimum research publications prior to writing of the thesis. Usually a minimum of two research publications accepted in the peer reviewed/indexed journals will be required before writing the thesis.

12. **Duration of the Course**

12.1 The duration of the course will be from the time of registration to submission of thesis.

12.2 The minimum period for completion of Ph.D. work and submission of thesis for full time candidates will be two years. For the part time and external candidates it will be three years.

12.3 The maximum period for completion of Ph.D. work and submission of thesis for full time candidates will be five years and for part time and external candidates it will be seven years.

12.4 In exceptional circumstances, under the recommendations of the RPC, extension of two years for full time candidates and one year for part time and external candidates may be permitted. If the thesis is not submitted within this stipulated period the registration of the concerned candidate for Ph.D. Programme will be cancelled.

12.5 A full time candidate may convert his status from full time to part time after completion of two years with the approval of the University on recommendation of the Guide and RPC.

13. Thesis Submission and Evaluation

13.1. After completion of sufficient research work and specified minimum period after registration, if satisfied, RPC will recommend writing of Pre Synopsis Report by the candidate.

13.2. The candidate will write and submit six copies of the Pre-synopsis Report to the Convener of RPC duly signed by the Guide and Co-guide(s). The Pre-synopsis Report will be a detailed document covering the complete research work including literature survey, statement of research problem, research methodology, data collection/experimental work, analysis of data and results. It will be similar to the final Thesis. Convener RPC will send one copy of Pre-synopsis Report to each member of RPC.

13.3 After allowing one to two weeks time for the RPC members to go through and evaluate the Pre-synopsis Report, Convener RPC will convene the RPC and ask the candidate to present the Pre-synopsis Report (Seminar) to the RPC. This presentation will be open to all faculty members and students.

13.4. After the presentation, RPC may recommend further work if not satisfied or may recommend writing of Synopsis if satisfied. Recommendation of RPC will also be sent to Registrar.

13.5. On approval by RPC, the candidate will write the Synopsis and submit ten copies duly signed by the Guide, to Registrar MU within one month.

13.6. The candidate will write and submit six copies of Thesis to Registrar MU within three months of submission of Synopsis. One soft copy of the thesis will also be submitted on CD. The candidate may also submit in support of the thesis the contents of any work which may have been previously published by him/her, but the candidate shall not submit any work for which a degree or distinction has been earlier conferred on the candidate by this or any other university. The candidate will not, however, be precluded from incorporating any such work in a thesis covering a wider field, provided a clear statement of the work so incorporated is given.

13.7. Thesis will be submitted within five years (7 years for part time and external candidates) but not earlier than two years (three years for part time and external candidates) from the date of registration of the candidate.

13.8. Convener RPC will submit to the Vice Chancellor a panel of six to ten experts who are acknowledged leaders in the field of study undertaken by the candidate. Vice Chancellor will select two or three experts from the list for reviewing the thesis of the candidate. The experts who have been referred in the thesis for their work in the area of research may also form the basis for selection of the reviewers. It shall be ensured that the reviewers are not known to the Guide or the Candidate so as to get unbiased adjudication of the thesis. The names of the external reviewers will be kept confidential and shall not be communicated to the Guide and the Candidate until the reports from the reviewers are received. One of the reviewers will be from outside the State of UP preferably from outside the country.

13.9. Registrar Acad. will send the synopsis to two/three reviewers selected by Vice Chancellor, for their consent to review the thesis of the candidate.

13.10. On receiving consent of the reviewers, Registrar will send the thesis to the reviewers for review, asking them to review the thesis and send their comments, in the prescribed format, within 45 days. Polite reminders will be sent to the reviewers every 15 days after expiry of 45 days till they send the reviews. In case a reviewer fails to send the review within six months, Vice Chancellor may identify another reviewer and ask the Registrar to send the thesis for review.

13.11. The reviewers shall submit a detailed report on the thesis. Their recommendations for acceptance of the thesis shall accompany a precise certificate that the candidate's work is of a standard suitable for awarding the degree. When a thesis is unanimously and unconditionally recommended for the degree by two examiners, the candidate will be eligible for appearing at the Viva-Voce (Defense) to defend his thesis. At the Viva-Voce the candidate shall respond to the suggestions made by the examiners, if any, in the thesis.

13.12. If both examiners reject the thesis, it will stand rejected and shall not be referred to any other examiner. The RPC of the candidate will then decide on whether the candidature of the scholar is to be cancelled or he/she is to be allowed to work on a revised topic. In case the scholar is allowed to continue his work on a revised topic, the evaluation of thesis will be done afresh as outlined in 13.1 to 13.9 above.

13.13. In case one reviewer approves the thesis for award of Ph.D. and the other is of the opinion that the thesis is not up to the standard and is therefore rejected, precise reasons for such rejection shall be stated by the reviewer. Vice Chancellor will select another reviewer and ask the Registrar to send the thesis for review by this third reviewer. In case this new reviewer approves the thesis, it will be considered as approved. In case this reviewer rejects the thesis, the case will be decided as in 13.11 above.

13.14. If one of the reviewers feels that the thesis can be accepted after a revision, he shall state the points on which revision is needed. If there is any ambiguity or conditionality in the reports of the examiners, the Vice Chancellor may consider the

appointment of the third reviewer. In case this new reviewer approves the thesis, it will be considered as approved.

13.15. If one or more examiners recommend re-submission of the thesis after modifications, it shall be done within a maximum period of six months from the date on which the candidate is so informed by the University or within maximum period of registration, whichever is later.

13.16. If the report from any one of the external examiners is not received within six months, the Vice Chancellor may appoint a new examiner from amongst the approved panel of examiners and a copy of the thesis will be sent to the new examiner for review.

14. **Open Defense of the Thesis/Viva-Voce Examination**

14.1 After the reviewers have approved the thesis, a public defense of the thesis and Viva-Voce will be held by a board of examiners appointed for the purpose. Copies of reports of the reviews of the thesis shall be sent to all the members of the board of examiners conducting the Defense/Viva-Voce and also to the candidate prior to the Defense. Wide publicity will be given to the date, time and venue of Defense so that all interested faculty members and students may attend the Defense/Viva Voce Examination.

14.2 The board of examiners for the viva voce/defense shall consist of Guide, Co-guide(s), one external examiner, one internal examiner from the RPC and one or two members from the RPEC concerned and the University Research Committee. The external examiner will generally be one of the reviewers of the thesis of the candidate.

14.3 The topic, date and the time of defense of thesis shall be announced by the university well in advance so that the faculty members and others interested in the topic of the thesis can be present during defense. Those attending the public defense, who are not members of board of examiners, can also participate by asking relevant questions. The board of examiners shall take into consideration the views and criticism, if any, by the faculty members and others participating in the public defense of the thesis. However, only the members of the board of examiners shall decide the result of the examination.

14.4 The examiners of the Viva-Voce/Defense shall jointly submit a report to the Registrar on the performance of the candidate at the Defense, clearly indicating whether the candidate deserves to be admitted to the degree. If the candidate fails to satisfy the examiners at the Viva-Voce/Defense, the candidate shall be allowed by the Vice Chancellor to defend his thesis again after a period of three months from the date of first Defense.

15. **Results**

The candidate shall be declared eligible for the award of the degree of Doctor of Philosophy, on the recommendation of the board of examiners, after the Defense.

16. **Award of the Degree**

16.1 The Vice Chancellor, after considering the reports on the thesis and Defense, shall recommend to the Academic Council the award of Degree to the candidate.

16.2 The candidate shall be awarded the Degree at the next convocation of the University.

16.3 A provisional certificate will be issued to the candidate by Controller of Examinations, on successful completion of Defense. The certificate will also include words to the effect that the certificate has been issued in accordance with the provisions of UGC Regulations for Award of M. Phil. /Ph.D. – 2009.

16.4 A Ph.D. degree certificate under the seal of the University in the specified format and signed by the Vice-Chancellor, will be given to each successful candidate at the next annual convocation of the University.

16.5 Copies of the thesis accepted for the Degree of Doctor of Philosophy, with necessary corrections or modifications, if there be any, shall be retained in the University, Institute and Departmental libraries. Soft copy of the thesis will be hosted on the University/Institute Library Network. Abstracts of theses of all candidates admitted to the Degree by the University will be published in the "Mangalayatan Dissertation Abstracts".

16.6 Abstracts, written in English, of all theses, accepted by the University, will also be sent by the Registrar to the 'Dissertation Abstracts International' for publication, immediately after the candidate is admitted to the Degree.

16.7. Registrar MU will submit a soft copy of the thesis to the UGC within 30 days of successful Defense of the thesis by the candidate, for hosting the same on INFLIBNET.

17. Conclusion

The Degree of Doctor of Philosophy (Ph.D.) shall be awarded to a candidate on the basis of original research work of merit incorporated in a thesis, recommended by the board of examiners and successfully defended by the candidate during the Viva-Voce (Defense of the thesis).

The thesis shall demonstrate that the candidate has technical mastery of the chosen field of investigation and is capable of doing scholarly work. The result of research embodied in the thesis shall be a contribution to existing knowledge either by a discovery of some new facts or by a discovery of some new relation between facts already known, or by a critical survey of facts leading to some new interpretation. The thesis will be written in English.

Mangalayatan University, Aligarh
Office of Dean (Academics)

Ref. No.: MU/DAO/PhD Practices-MoM/2016-17/10

Dated: 01-Aug-2016

Minutes of Meeting

A meeting on Doctoral Research Practices was held on 01-Aug-2016 in the VC Conference Hall at 10.00 am.

The following members were present:

1. Brig. (Dr.) P.S. Siwach
2. Prof. KVSM Krishna
3. Prof. G.S. Agrawal
4. Dr. Gaurav Chaudhary
5. Dr. Amit Gangopadhyay

The following colleagues were invited:

1. Dr. Sandeep Shandilya
2. Mr. Manoj Rana
3. Mr. Rajesh Kumar Upadhyay

Agenda: Amendments in Doctoral Research Practices

The following recommendations have been made:

Detail	Existing Practice	Recommendations
Duration of Program	<ol style="list-style-type: none"> 1. Minimum two years and maximum five years. 2. It is counted from the day of registration once URC approves the topic. 	<ol style="list-style-type: none"> 1. Minimum three years including course work and maximum six years. 2. Duration of PhD will be counted from the date of admission
Admission to PhD Program	<ol style="list-style-type: none"> 1. After URC approval, candidate is allowed to deposit fee and duration of PhD count begins. 	<ol style="list-style-type: none"> 1. The course fee of semester will have to be deposited in full before participating in the orientation program. Fee of subsequent semesters will be deposited before the beginning of the semester.
Course Work & Practices	<ol style="list-style-type: none"> 1. Research Methodology course work starts soon after the candidate reports after declaration of result and deposition of 5000 Rs for RM course work. This amount is adjusted in candidate's fee later on. 2. Remaining credits of course works are earned by the candidate along with his research work after registration. 	<ol style="list-style-type: none"> 1. The first residency will begin within one week of the orientation program. 2. Supervisor and courses will be announced before the beginning of the first residency. 3. From the first residency week itself all courses identified as requirement of the course work will begin. 4. Course work will have to be completed normally within a maximum period of one year. In exceptional case, with the approval of Hon'ble Vice Chancellor, this may be completed upto one more year. 5. In case of non standardized courses or innovative courses, the student will be given courses in a seminar course framework. A seminar course will have to be offered by a senior member of faculty with a clear course outline recommended by the RPEC and approved by the URC. Such course will have to be run through the BoS of the department. The course teacher will have to conduct the entire course

		<p>in as many hours as the credits indicate with a provision of conducting the classes in the office chamber of the faculty concern. The faculty may however use alternative pedagogies such as duly monitored library consultation, in company data analysis, field based data collection and take home rigorous assignments.</p> <p>6. Registration of a research topic on the proposed theme may happen within a maximum period of two years. The registration would required duly and successfully defended literature review based research protocol of the proposed research that will have to be recommended by RPEC and approved by the URC.</p> <p>7. The final thesis may be submitted after duly and successfully defended of synopsis of final thesis approved by RPC.</p>
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Other Points

- Admission date for 2016-17 batch: 05-Aug-2016, 9.00 am, B-104.
- Orientation date for 2016-17 batch: 05-Aug-2016, 11.00 am, B-104.
- Entrance examination must be conducted in the month of June & December every year.
- Candidates of previous batches will be called to convey about amended research practices and deposition of fee in second week of Aug, 2016.

The meeting is concluded by thanking each other

Submitted to Hon'ble Vice Chancellor for kind approval.

h-h'p

 (KVSM Krishna)
 Dean (Academics)

R.R. (V.C.)

Approved

F

 1/8/16

1. Improve all standards
2. Further